

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Only for new nonprovisional applications under 37 CFR 1.53(b))**

22388 U.S. PTO  
10/701030



Docket No. : 51438/JWP/W382  
Inventor(s) : Gregory G. Spanjers, et al.  
Title : DUAL-MODE CHEMICAL-ELECTRIC THRUSTERS FOR SPACECRAFT  
Express Mail Label No. : EV 327291089 US

**ADDRESS TO:** Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

November 3, 2003

1.   X   **FEE TRANSMITTAL FORM** (*Submit an original, and a duplicate for fee processing*).

2. **IF A CONTINUING APPLICATION**

           This application is a            of patent application No.           .

Prior application information: Examiner ; Group Art Unit:           .

  X   This application claims the benefit of Provisional Application No. 60/423,241 pursuant to 35 U.S.C. §119(e) and 37 CFR §1.78(a)(4).

3. **APPLICATION COMPRISED OF**

**Specification**

  14   Specification, claims and Abstract (total pages)

**Drawings**

   3    Sheets of formal drawing(s) (FIGS. 1 to 3)

**Declaration and Power of Attorney**

           Newly executed

  X   Unexecuted declaration

           Copy from a prior application (37 CFR 1.63(d))(for continuation and divisional)

4.            **Microfiche Computer Program** (*Appendix*)

5.            **Nucleotide and/or Amino Acid Sequence Submission** (*if applicable, all necessary*)

           Computer Readable Copy

           Paper Copy (identical to computer copy)

           Statement verifying identity of above copies

6. **APPLICANT(S) STATUS UNDER 37 CFR §1.27**

  X   Applicant(s) and any others associated with it/them under §1.27(a) are a SMALL ENTITY

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**UTILITY PATENT APPLICATION TRANSMITTAL**

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**7. ALSO ENCLOSED ARE**

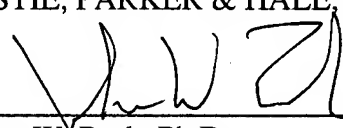
- ☐ Request and Certificate under 35 U.S.C. §122(b)(2)(B)(i) **Request for Non-Publication**
- ☐ Preliminary Amendment
- ☐ Includes "Cross-Reference to Related Applications"
- ☐ A Petition for Extension of Time for the parent application and the required fee are enclosed
- ☐ An Assignment of the invention with the Recordation Cover Sheet and the recordation fee are enclosed
- ☐ This application is owned by pursuant to an Assignment recorded at Reel , Frame
- ☐ Information Disclosure Statement (IDS)/PTO/SB/08A/B
- ☐ Copies of IDS Citations
- ☐ Certified copy of Priority Document(s) (*if foreign priority is claimed*)
- ☐ English Translation Document (*if applicable*)
- ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized).
- ☐ Other:

**8. CORRESPONDENCE ADDRESS**

**CHRISTIE, PARKER & HALE, LLP, P.O. BOX 7068, PASADENA, CA 91109-7068**  
**Customer Number: 23363**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By   
John W. Peck, Ph.D.  
Reg. No. 44,284  
626/795-9900

**FEE TRANSMITTAL  
UTILITY PATENT APPLICATION**

**DATE: November 3, 2003**

Docket No. : 51438/JWP/W382  
Inventor(s) : Gregory G. Spanjers, Et Al.  
Title : DUAL-MODE CHEMICAL-ELECTRIC THRUSTERS FOR SPACECRAFT Duplicate \_\_

**FEE DETERMINATION**

CLAIMS AS FILED					
	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY RATE	LARGE ENTITY RATE	FEE
TOTAL CLAIMS	36 - 20	= 16	16 x \$9.00	x \$18.00	144
INDEPENDENT CLAIMS	2 - 3	= 0	x \$43.00	x \$86.00	0
MULTIPLE-DEPENDENT CLAIMS FEE			\$145.00	\$290.00	0
BASIC FEE			\$385.00	\$770.00	385
TOTAL FILING FEE					\$529
List Independent Claims: 1 and 36					

**METHOD OF PAYMENT**

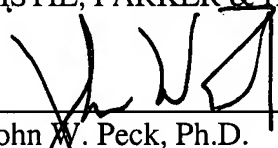
  X   Payment Enclosed: Check for \$529.00.

  X   The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required during the **entire pendency** of the application to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A duplicate copy of this sheet is enclosed.**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By

  
John W. Peck, Ph.D.  
Reg. No. 44,284  
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JWP/syb